

ABSTRACT OF THE DISCLOSURE

A method and apparatus for generating a code in an asynchronous code division multiple access mobile communication system is provided. Specifically, the method and apparatus are for use in a transmitter in a mobile communication system which has multiple code groups having inherent code indices in response to each of slots, which selects one code group from among the multiple code groups, and which generates a second synchronization code corresponding to any one slot from among multiple slots, which are included in the selected code group. The method and apparatus determine position information designating a Hadamard code necessary for generating the second synchronization code by performing the steps of (1) in response to any one slot, outputting a value, which is obtained by subtracting 1 from a code index included in the selected code group, as a binary bit row; and (2) selecting one bit row, which employs the binary bit row as an upper bit and employs a binary code "0000" as a lower bit, as position information which designates the Hadamard code.